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# Email Android Based QR File Downloader

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**Abstract:** *QR-code Based System for Library Management System QR code (Quick Response Code) is the trademark for a type of matrix barcode (or two-dimensional barcode) first designed for the automotive industry in China. A barcode is a machine-readable optical label that contains information about the item to which it is attached. A QR code uses four standardized encoding modes (numeric, alphanumeric, byte / binary, and kanji) to efficiently store data; extensions may also be used. The QR Code system has become popular outside the automotive industry due to its fast readability and greater storage capacity compared to standard UPC barcodes. A QR code consists of black modules (square dots) arranged in a square grid on a white background, which can be read by an imaging device (such as a camera) and processed using Reed–Solomon error correction until the image can be appropriately interpreted. The required data are then extracted from patterns present in both horizontal and vertical components of the image. In this project we will be using QR codes for data analysis and data mining on different sectors of marketing.*

## I. INTRODUCTION

QR Library is one of the newest applications of the today's world. One way of reading files offline is for a user to go to a common space in the college. The objective of this project was to design an online file sharing website where users can upload files and other users can download them. To attain this objective an camera enabled interactive user interface involving features like scanning, user interface is developed. To make the app more user friendly, users were given two space-constrained visualizations of their file system to view space occupied by the files and folders, and android based file management system that works like browsing files on a desktop computer with drag and drop, context menu functionalities etc. This report discusses the implementation details of the website and android app, and the advantages of having different visualizations of the file system. This report also addresses one frequently asked question regarding file storage; where to store the files, in database as BLOBs or as files in the file system on web server? This we store file on the server file system.

## II. MODULE IDENTIFICATION

### A. Generating QR Code

Librarian will generate QR code.

### B. Scanning QR Code With Android App

Student will scan QR code and book will download automatic

### C. Downloading Book

Book will start downloading

## III. MODULE DESCRIPTION

One of the biggest differences comes in terms of differences between their design, or simply how they look. Take a look at the QR code and barcode of the URL of our page

While a barcode only holds information in the horizontal direction, a QR code does hold information in both horizontal and vertical directions. Due to this, a QR code holds hundreds of times more information than a barcode.

This part is the heart of the project where the librarian can upload a file. Part of this book is QR enabled. File upload takes place in the form of a wizard control, where the Librarian does the upload in a step by step manner. When the librarian uploads a file, he/she will be shown a progress bar in browser to show what the status of the upload is. Metadata about the file upload can also be entered in the first step. Second step gives the option to enter the activation and expiration date of the uploaded files. Third step allows the user to organize the files by creating folders and the last step given the option of sharing. i.e. whether the file is public, private, or can be shared by groups. In the last step of the upload process, users can choose to share the file by creating groups. A group will consist of one or more registered users of the website. When a user is in a group, then only he/she will be able to see the file while searching or downloading. A user can have any number of groups.



#### IV. LITERATURE SURVEY

Literature survey is the most important step in software development process. Before developing the tool it is necessary to determine the time factor, economy and company strength. Once these things are satisfied, ten next steps are to determine which operating system and language can be used for developing the tool. Once the programmers start building the tool the programmers need lot of external support. This support can be obtained from senior programmers, from book or from websites. Before building the system the above considerations are taken into account for developing the proposed system.

#### V. CONCLUSION

we have presented the concept of sharing book information through QR codes. The librarian has to enter all his book and book information by him/herself. user will be more loyal towards the service provider. The QR code can be scanned through any QR code scanner app across any platforms. Hereby, we ensure that book can be download easily.

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